

#### ABSTRACT OF THE DISCLOSURE

There is provided a semiconductor circuit including three or more nodes at least including one input node and one output node, plural paths which are connected between the three or more nodes and whose signal propagation directions between the nodes are regulated, a signal propagation time regulator for regulating a signal propagation time of each of the paths, an input unit for inputting a predetermined input signal to the input node, and a detector for detecting a time required for the input signal to propagate through the paths and arrive at the output node.